



NXP Semiconductors / Freescale

MK20DN512ZVLQ10R

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| Part Number: | MK20DN512ZVLQ10R |
| Manufacturer/Brand: | NXP Semiconductors / Freescale |
| Product description: | IC MCU 32BIT 512KB FLASH 144LQFP 1.MK20DN512ZVLQ10R.pdf 2.MK20DN512ZVLQ10R.pdf 3.MK20DN512ZVLQ10R.pdf |
| Datasheets: | |
| RoHS Status: | Lead free / RoHS Compliant |
| Ship From: | Hong Kong |
| Shipment Way: | DHL/Fedex/TNT/UPS/EMS |

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Image may be representation. See specifications for product details.

Specifications of MK20DN512ZVLQ10R

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| PART NUMBER | MK20DN512ZVLQ10R |
| MANUFACTURER | NXP Semiconductors / Freescale |
| DESCRIPTION | IC MCU 32BIT 512KB FLASH 144LQFP |
| LEAD FREE STATUS / ROHS STATUS | Lead free / RoHS Compliant |
| DATA SHEET | 1.MK20DN512ZVLQ10R.pdf 2.MK20DN512ZVLQ10R.pdf 3.MK20DN512ZVLQ10R.pdf |
| VOLTAGE - SUPPLY (VCC/VDD) | 1.71 V ~ 3.6 V |
| SUPPLIER DEVICE PACKAGE | 144-LQFP (20x20) |
| SPEED | 100MHz |
| SERIES | Kinetis K20 |
| RAM SIZE | 128K x 8 |
| PROGRAM MEMORY TYPE | FLASH |
| PROGRAM MEMORY SIZE | 512KB (512K x 8) |
| PERIPHERALS | DMA, I ² S, LVD, POR, PWM, WDT |
| PACKAGING | Tape & Reel (TR) |
| PACKAGE / CASE | 144-LQFP |
| OTHER NAMES | 935321706528 |
| OSCILLATOR TYPE | Internal |
| OPERATING TEMPERATURE | -40°C ~ 105°C (TA) |
| NUMBER OF I/O | 100 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours) |
| LEAD FREE STATUS / ROHS STATUS | Lead free / RoHS Compliant |
| EEPROM SIZE | - |
| DETAILED DESCRIPTION | ARM® Cortex®-M4 Kinetis K20 Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 144-LQFP (20x20) |
| DATA CONVERTERS | A/D 42x16b, D/A 2x12b |
| CORE SIZE | 32-Bit |
| CORE PROCESSOR | ARM® Cortex®-M4 |
| CONNECTIVITY | CANbus, EBI/EMI, I ² C, IrDA, SD, SPI, UART/USART, USB, USB OTG |
| BASE PART NUMBER | MK20DN512 |

Related Tags

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| MK20DN512VMD10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 144BGA In stock: 100 pcs RFQ | MK20DN512ZVMB10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 81BGA In stock: Out stock RFQ |
| MK20DN512ZVLL10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 100LQFP In stock: 400 pcs RFQ | MK20DN512ZVLQ10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 144LQFP In stock: Out stock RFQ |
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